

DEC 14 2007

Application No. 10/815,774  
Amendment dated December 14, 2007  
After Final Office Action of June 14, 2007

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Docket No.: 80517DIV(302730)

**AMENDMENTS TO THE CLAIMS****Claims 1 - 31: Canceled**

**Claim 32 (Previously presented):** A method for producing an enzyme, which comprises culturing a microorganism in a nutrient medium, thereby allowing said microorganism to produce an enzyme having an activity to deaminate amido groups in protein, and subsequently collecting said enzyme, wherein said enzyme comprises the amino acid sequence of SEQ ID NO:6.

**Claim 33 (Previously presented):** A method for producing an enzyme having an activity to deaminate amido groups in protein, which comprises culturing a microorganism in a nutrient medium, thereby allowing the microorganism to produce an enzyme which has an activity to deaminate amido groups in protein by directly acting upon the groups without causing severing of peptide bond and cross-linking of protein, and subsequently collecting said enzyme, wherein said enzyme comprises the amino acid sequence of SEQ ID NO:6.

**Claims 34 - 41: Canceled**

**Claim 42 (Previously presented):** A method for producing an enzyme, which comprises culturing a microorganism in a nutrient medium, thereby allowing the microorganism to produce an enzyme which has an activity to deaminate amido groups in protein and subsequently collecting said enzyme, wherein said enzyme comprises the amino acid sequence encoded by the nucleotide sequence of SEQ ID NO:5.

**Claim 43 (Previously presented):** A method for producing an enzyme having an activity to deaminate amido groups in protein, which comprises culturing a microorganism in a nutrient medium, thereby

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allowing the microorganism to produce an enzyme which has an activity to deamidate amido groups in protein by directly acting upon the groups without causing severing of peptide bond and cross-linking of protein, and subsequently collecting said enzyme, wherein said enzyme comprises the amino acid sequence encoded by the nucleotide sequence of SEQ ID NO:5.

**Claim 44 – 47: (Canceled)**